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NRO REVIEW COMPLETED

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12 December 1960

MEMORANDUM FOR : Chief, Development Branch, DFB-DD/P
SUBJECT : Trip Report - [REDACTED]

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1. PURPOSE: Trip was made to VAFB and LMSD, Palo Alto in regard to Mission 9013.

2. DISCUSSION:

a. Loading and Launch of 9013: I acted as team captain of the group at VAFB concerning go-no-go of Mission 9013. Captain Johnson of BMD, [REDACTED] of Itak, and [REDACTED] of LMSD were the other members of the base team. We were in direct communication with Lt. Col. Murphy at Palo Alto as required. The base team remained at VAFB until after launch in order to verify proper instrument operation from telemetry up to the last possible minute. Mr. Ed Green was present for the loading and assisted in removing the leader from the payload. Other than removing the leader and a few minor incidents causing delays, the operation was routine. It is interesting to note that in spite of considerable additional confidence runs on Instrument 19, nothing was found changed from the original buy-off data. The following new procedures were established and will remain in effect:

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(1) The gold "top hat" will be left off until after loading and test operation to visually check film transport.

(2) Representatives of G.E., Itak and Lmsd are required to sign a flight readiness certificate.

(3) An LMSD data analysis reviews pad telemetry at about 1-4 hours and verifies proper operation.

b. Radiation Effects: Captain Johnson of BMD stated that a Dr. Laramore of CALAC was conducting a white side study on radiation predictability and effects due to sun flare activities. It was determined that Dr. Laramore knew about the excessive

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SECRET

OIC-1044
Page 2

radiation from sun flares about 7 hours before the launch of Mission 9012. While the state-of-the-art does not now permit a forecast of radiation from sun flares, the build-up patterns of a "storm" are well known and if one is building you can be fairly sure of its intensity and life span in the immediate future. SMD is continuing to work on the problem on the white side.

c. Film Transport Systems Discussed [redacted] recommendations concerning metering rollers without flanges and solid pressure rollers. LMSD and Itak considered the suggestions very good and will study them further. These suggestions will probably result in an engineering change proposal.

d. Buy-off For Arzons Discussed the procedures for buy-off on the "A" program with [redacted] of LMSD. They are working on log books similar to those used on the "C" program and these should suffice for the purpose intended. The first "A" buy-off will be at VAFB prior to the first flight.

SIGNED

DPD/DB, [redacted]
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